

CLAIMS

What is claimed is:

- 1 1. An apparatus for processing printing material webs with variable
2 web widths, the apparatus being one of a folding assembly, a turning assembly, and a
3 web guide and comprising:
4 web contacting elements including at least one of rollers and cutting
5 knives, each of which is settable on one side of the printing material web;
6 driven pull rollers or driven pull rollers and knife rolls extending over the
7 web width and arranged opposite said web contacting elements;
8 at least one threaded spindle operatively connected for adjusting axial
9 positions of said web contacting elements simultaneously or in succession, wherein a
10 first portion of said web contacting elements are adjusted by a first adjustment travel
11 and a second portion of said web contacting elements are adjusted by a second
12 adjustment travel different than said first adjustment travel.
- 1 2. The apparatus of claim 1, wherein said first adjustment travel is
2 zero such that said first portion of said web contacting elements are stationary.
- 1 3. The apparatus of claim 2, wherein a third portion of said web
2 contacting elements are adjusted by a third adjustment travel that is greater than zero
3 and different from said second adjustment travel.

1 4. The apparatus of claim 1, wherein each of said first adjustment
2 travel and said second adjustment travel is non zero.

1 5. The apparatus of claim 1, wherein the apparatus is a folding
2 assembly and the web contacting elements are in a folding former plane of the folding
3 assembly.

1 6. The apparatus of claim 1, wherein said web contacting elements
2 comprise pressure rollers and cutting knives and said at least one threaded spindle
3 comprises at least two threaded spindles, said pressure rollers being axially adjustable
4 by at least one of said at least two threaded spindles and said cutting knives being
5 axially adjustable by a further one of said at least two threaded spindles.

1 7. The apparatus of claim 1, wherein said at least one threaded
2 spindle is divided into regions, wherein each of said regions is assigned to individual
3 ones of said web contacting elements and said regions are configured with pitches (P)
4 of different pitch height and pitch direction, the pitch height and pitch direction being
5 configured in accordance with the adjustment travel of said individual web contacting
6 elements.

1 8. The apparatus of claim 1, a separate threaded spindle is provided
2 for each of the first and second adjustment travels, said apparatus further comprising a

3 drive with gear mechanisms with a defined transmission ratio with respect to rotational
4 speed and direction of rotation for driving said threaded spindles.

1 9. The apparatus of claim 7, wherein said at least one threaded
2 spindle symmetric about a center line of said apparatus.

1 10. The apparatus of claim 8, wherein said at least one threaded
2 spindle is symmetric about a center line of said apparatus.

1 11. The apparatus of claim 1, further comprising a single drive for
2 driving said at least one threaded spindle.

1 12. The apparatus of claim 1, further comprising at least one position
2 monitoring device for determining the axial position of all web contacting elements.

1 13. The apparatus of claim 10, wherein said drive is a stepping motor.